Name: _____

p1105: Factoring when $a = $ prime (v38)

1. Factor the expression $5x^2 + 26x + 5$

$$(5x + 1)(x + 5)$$

2. Factor the expression $11x^2 - 48x - 35$

$$(11x + 7)(x - 5)$$

3. Factor the expression $7x^2 - 33x - 10$

$$(7x + 2)(x - 5)$$

4. Factor the expression $3x^2 + x - 2$

$$(3x - 2)(x + 1)$$

5. Factor the expression $11x^2 + 102x + 27$

$$(11x + 3)(x + 9)$$

6. Factor the expression $5x^2 + 42x - 27$

$$(5x - 3)(x + 9)$$

7. Factor the expression $7x^2 - 40x - 12$

$$(7x + 2)(x - 6)$$

8. Factor the expression $11x^2 + 72x + 36$

$$(11x + 6)(x + 6)$$

9. Factor the expression $3x^2 - 31x + 36$

$$(3x - 4)(x - 9)$$

10. Factor the expression $3x^2 + 23x + 14$

$$(3x + 2)(x + 7)$$